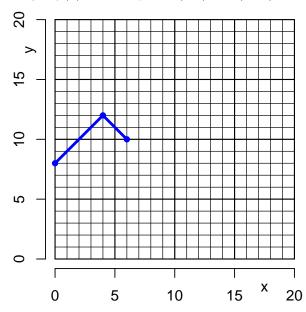
PCW_09_18 Find new points after transformation (version 4)

Question 1

Curve y = f(x) contains points (0,8) and (4,12) and (6,10), as shown on the x-y plane below.



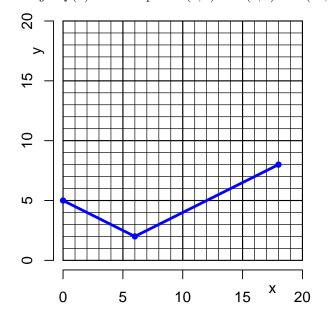
$$y = f(x)$$

On the same plane, please draw the curve represented by the equation below:

$$y = 3\left(f\left[\frac{x}{2} - 3\right] - 6\right)$$

Question 2

Curve y = f(x) contains points (0,5) and (6,2) and (18,8), as shown on the x-y plane below.



y = f(x)

On the same plane, please draw the curve represented by the equation below:

$$y = 2f[3(x-5)] + 2$$